Rebecca J. Dulin
Senior Counsel

Duke Energy
1201 Main Street
Capital Center Building
Suite 1180
Columbia, SC 29201

o: 803.988.7130
f: 803.988.7123
Rebecca.Dulin@duke-energy.com

August 29, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of July 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	July 2018
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 160,891,636
	MWH sales:	
2	Total System Sales	6,863,678
3	Less intersystem sales	699,043
4	Total sales less intersystem sales	6,164,635
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.6099
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.5984
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	835,687
8	Oil	5,985
9	Natural Gas - Combustion Turbine	628,851
10	Natural Gas - Combined Cycle	1,821,221
11	Biogas	299
12	Total Fossil	3,292,042
13	Nuclear	2,590,093
14	Hydro - Conventional	34,031
15	Solar Distributed Generation	22,776
16	Total MWH generation	5,938,942

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		July 2018
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	31,289,707
0501310 fuel oil consumed - steam		645,529
Total Steam Generation - Account 501		31,935,236
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		17,540,348
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		18,110,471
0547000 natural gas capacity - Combustion Turbine		1,765,848
0547000 natural gas consumed - Combined Cycle		43,566,197
0547000 natural gas capacity - Combined Cycle		8,823,404
0547106 biogas consumed - Combined Cycle		13,922
0547200 fuel oil consumed		596,345
Total Other Generation - Account 547		72,876,187
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		49,578,578
Fuel and fuel-related component of DERP purchases		44,107
PURPA purchased power capacity		9,511,571
DERP purchased power capacity		12,191
Total Purchased Power and Net Interchange - Account 555		59,146,447
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		22,350,875
Total Costs Included in Base Fuel Component	$	159,147,344
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	2,619
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		1,766,587
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		1,629
Less emissions expense recovered through intersystem sales - Account 447		23,285
Total Costs Included in Environmental Component		1,744,293
Fuel and Fuel-related Costs excluding DERP incremental costs	$	160,891,636
DERP Incremental Costs		255,067
Total Fuel and Fuel-related Costs	$	161,146,703

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JULY 2018

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 25,542,111	$ 11,388,432	324,411	$ 14,153,679	-
City of Fayetteville	3,038,088	3,022,250	202	15,838	-
Haywood EMC	29,050	29,050	-	-	-
NCEMC	8,541,682	5,545,462	78,682	2,996,220	-
PJM Interconnection, LLC.	(127,139)	-	30	(127,139)	-
Southern Company Services	5,032,598	1,687,140	106,943	3,345,458	-
DE Carolinas - Native Load Transfer	1,063,831	-	48,841	1,066,360	$ (2,529)
DE Carolinas - Native Load Transfer Benefit	183,103	-	-	183,103	-
Energy Imbalance	78,262		2,148	74,142	4,120
Generation Imbalance	1,570		72	958	612
	$ 43,383,156	**$ 21,672,334**	**561,329**	**$ 21,708,619**	**$ 2,203**
Act 236 PURPA Purchases					
Renewable Energy	$ 22,707,163	$ -	317,240	$ 22,707,163	$ -
DERP Qualifying Facilities	56,297	-	972	56,297	-
Other Qualifying Facilities	14,674,368	-	218,692	14,674,368	-
	$ 37,437,828	**$ -**	**536,904**	**$ 37,437,828**	**$ -**
Total Purchased Power	**$ 80,820,984**	**$ 21,672,334**	**1,098,233**	**$ 59,146,447**	**$ 2,203**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JULY 2018

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 977,565	$ 652,500	9,959	$ 342,421	$ (17,356)
PJM Interconnection, LLC.	(27,870)	-	(1,506)	(21,897)	(5,973)
Other:					
DE Carolinas - Native Load Transfer Benefit	1,689,265	-	-	1,689,265	-
DE Carolinas - Native Load Transfer	21,872,062	-	690,561	20,366,000	1,506,062
Generation Imbalance	-	-	29	-	-
Total Intersystem Sales	**$ 24,511,022**	**$ 652,500**	**699,043**	**$ 22,375,789**	**$ 1,482,733**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
July 2018

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					6,164,634,934
2	DERP Net Metered kWh generation	Input					1,549,719
3	Adjusted System kWh sales	L1 + L2					6,166,184,653
4	Actual S.C. Retail kWh sales	Input	209,653,372	30,997,729	410,804,929	6,680,462	658,136,492
5	DERP Net Metered kWh generation	Input	626,393	27,658	895,668		1,549,719
6	Adjusted S.C. Retail kWh sales	L4 + L5	210,279,765	31,025,387	411,700,597	6,680,462	659,686,211
7	Actual S.C. Demand units (kw)	L32 / 31b *100			703,175		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$138,990,223
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$61,989
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$139,052,212
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.255
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,741,971	$699,646	$9,284,165	$150,650	$14,876,432
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($36,644)	($3,385)	($21,960)	$0	($61,989)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,705,327	$696,261	$9,262,205	$150,650	$14,814,443
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.280	2.280	2.280	2.280	2.280
	Rate Changes:						
	15a New approved rates	Input	2.366	2.366	2.366	2.366	
	15b Ratios of days to rate	Input	44.81%	44.81%	44.81%	44.81%	
	15c Prior approved rates	Input	2.210	2.210	2.210	2.210	
	15d Ratio of days to rate	Input	55.19%	55.19%	55.19%	55.19%	
	15e Total prorated ¢/KWH	(L15a*L15b) + (L15c * L15d)	2.280	2.280	2.280	2.280	2.280
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,780,356	$706,720	$9,365,982	$152,309	$15,005,367
17	DERP NEM incentive - fuel component	Input	($7,708)	($712)	($4,620)	$0	($13,040)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,772,648	$706,008	$9,361,362	$152,309	$14,992,327
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($67,321)	($9,747)	($99,157)	($1,659)	($177,884)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($67,321)	($9,747)	($99,157)	($1,659)	($177,884)
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.605	0.378			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			108		
23	Incurred S.C. base fuel - capacity expense	Input	$1,268,559	$117,188	$760,217		$2,145,964
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.563	0.396			
	Rate Changes:						
	24a.1 New approved rates	Input	0.676	0.426			
	24a.2 Ratios of days to rate	Input	44.81%	44.81%			
	24a.3 Prior approved rates	Input	0.471	0.371			
	24a.4 Ratio of days to rate	Input	55.19%	55.19%			
	24a.5 Total prorated ¢/KWH	(L24a.1*L24a.2) + (L24a.3 * L24a.4)	0.563	0.396			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
	Rate Changes:						
	24b.1 New approved rates	Input			88		
	24b.2 Ratios of days to rate	Input			44.81%		
	24b.3 Prior approved rates	Input			96		
	24b.4 Ratio of days to rate	Input			55.19%		
	24b.5 Total prorated ¢/KWH	(L24b.1*L24b.2) + (L24b.3 * L24b.4)			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,180,476	$122,642	$ 652,178	$0	$1,955,296
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	$88,083	($5,454)	$108,039	$0	$190,668
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$88,083	($5,454)	$108,039	$0	$190,668

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
July 2018

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.053	0.033			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			9		
30	Incurred S.C. environmental expense	Input	$110,082	10,170	$65,969		$186,221
31a	Billed environmental rates by class (¢/kWh)	Input	0.028	0.017			
	Rate Changes:						
	31a.1 New approved rates	Input	0.019	0.008			
	31a.2 Ratios of days to rate	Input	44.81%	44.81%			
	31a.3 Prior approved rates	Input	0.035	0.024			
	31a.4 Ratio of days to rate	Input	55.19%	55.19%			
	31a.5 Total prorated ¢/KWH	(L31a.1*L31a.2) + (L31a.3 * L31a.4)	0.028	0.017			
31b	Billed environmental rate (¢/kW)	Input			4		
	Rate Changes:						
	31b.1 New approved rates	Input			1		
	31b.2 Ratios of days to rate	Input			44.81%		
	31b.3 Prior approved rates	Input			7		
	31b.4 Ratio of days to rate	Input			55.19%		
	31b.5 Total prorated ¢/KWH	(L31b.1*L31b.2) + (L31b.3 * L31b.4)			4		
32	Billed S.C. environmental revenue	L31a * L4 /100	$57,908	$5,217	$ 30,315		$93,440
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$52,174	$4,953	$35,654	$0	$92,781
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$52,174	$4,953	$35,654	$0	$92,781
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.002	0.001			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.303		
37	Incurred S.C. DERP avoided cost expense	Input	$3,553	$328	$2,129		$6,010
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.001	0.000			
	Rate Changes:						
	38a.1 New approved rates	Input	0.003	0.001			
	38a.2 Ratios of days to rate	Input	44.81%	44.81%			
	38a.3 Prior approved rates	Input	0.000	0.000			
	38a.4 Ratio of days to rate	Input	55.19%	55.19%			
	38a.5 Total prorated ¢/KWH	(L38a.1*L38a.2) + (L38a.3 * L38a.4)	0.001	0.000			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$2,798	$139	$0		$2,937
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$755	$189	$2,129	$0	$3,073
41	Adjustment	Input	$0	$0	$0	$0	$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$755	$189	$2,129	$0	$3,073
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	$73,691	($10,059)	$46,665	($1,659)	$108,638

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$23,394,311					
March 2018 - actual	23,722,990	$105,966	$14,137	$203,204	$5,372	$328,679
April 2018 - actual	23,109,283	(170,943)	(23,111)	(411,945)	(7,708)	(613,707)
May 2018 - actual	23,830,373	191,924	30,025	488,780	10,361	721,090
June 2018 - actual	25,124,456	428,696	63,626	785,404	16,357	1,294,083
July 2018 - actual	24,946,572	(67,321)	(9,747)	(99,157)	(1,659)	(177,884)
August 2018 - forecast	23,574,329	(469,238)	(60,504)	(823,162)	(19,339)	(1,372,243)
September 2018 - forecast	20,912,652	(909,961)	(117,476)	(1,596,522)	(37,718)	(2,661,677)
October 2018 - forecast	18,423,559	(715,791)	(119,102)	(1,615,939)	(38,261)	(2,489,093)
November 2018 - forecast	15,784,392	(803,886)	(123,448)	(1,671,900)	(39,933)	(2,639,167)
December 2018 - forecast	14,064,452	(635,215)	(73,042)	(988,099)	(23,584)	(1,719,940)
January 2019 - forecast	12,800,942	(518,187)	(50,413)	(678,800)	(16,110)	(1,263,510)
February 2019 - forecast	11,310,004	(591,122)	(60,932)	(819,402)	(19,482)	(1,490,938)
March 2019 - forecast	9,604,299	(640,346)	(72,454)	(969,806)	(23,099)	(1,705,705)
April 2019 - forecast	6,252,557	(1,078,503)	(154,785)	(2,069,414)	(49,040)	(3,351,742)
May 2019 - forecast\	4,191,711	(586,413)	(100,765)	(1,341,886)	(31,782)	(2,060,846)
June 2019 - forecast	$3,164,951	($323,178)	($48,081)	($640,395)	($15,106)	($1,026,760)

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$1,622,067					
March 2018 - actual	1,523,528	$79,187	($398)	($177,328)	$0	($98,539)
April 2018 - actual	2,089,902	479,717	34,630	52,027	0	566,374
May 2018 - actual	2,445,242	379,717	16,470	(40,847)	0	355,340
June 2018 - actual	2,666,876	217,876	(2,152)	5,910	0	221,634
July 2018 - actual	2,857,544	88,083	(5,454)	108,039	0	190,668
August 2018 - forecast	2,299,363	(418,036)	(19,250)	(120,895)	0	(558,181)
September 2018 - forecast	1,898,260	(296,697)	(9,386)	(95,020)	0	(401,103)
October 2018 - forecast	2,065,041	117,099	1,068	48,614	0	166,781
November 2018 - forecast	2,055,118	13,359	(306)	(22,976)	0	(9,923)
December 2018 - forecast	1,545,230	(395,260)	(6,445)	(108,183)	0	(509,888)
January 2019 - forecast	812,446	(725,282)	(10,382)	2,880	0	(732,784)
February 2019 - forecast	246,176	(532,644)	(2,882)	(30,744)	0	(566,270)
March 2019 - forecast	145,065	(159,512)	19,024	39,377	0	(101,111)
April 2019 - forecast	429,803	155,198	21,331	108,209	0	284,738
May 2019 - forecast\	878,331	293,288	16,399	138,841	0	448,528
June 2019 - forecast	$899,515	$44,836	$7,845	($31,497)	$0	$21,184

Year 2018-2019

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	($616,504)					
March 2018 - actual	(648,397)	($9,388)	($802)	($21,703)	$0	($31,893)
April 2018 - actual	(646,907)	10,886	939	(10,335)	0	$1,490
May 2018 - actual	(644,440)	13,284	519	(11,336)	0	$2,467
June 2018 - actual	(578,713)	44,416	3,379	17,932	0	$65,727
July 2018 - actual	(485,932)	52,174	4,953	35,654	0	$92,781
August 2018 - forecast	(380,620)	51,901	6,387	47,024	0	$105,312
September 2018 - forecast	(352,805)	7,083	2,133	18,599	0	$27,815
October 2018 - forecast	(351,733)	(5,656)	162	6,566	0	$1,072
November 2018 - forecast	(356,166)	(8,836)	9	4,394	0	($4,433)
December 2018 - forecast	(308,538)	18,274	3,404	25,950	0	$47,628
January 2019 - forecast	(51,846)	137,300	15,188	104,204	0	$256,692
February 2019 - forecast	154,531	109,629	12,312	84,436	0	$206,377
March 2019 - forecast	198,738	15,937	3,288	24,982	0	$44,207
April 2019 - forecast	180,582	(18,315)	(579)	738	0	($18,156)
May 2019 - forecast\	173,733	(9,937)	(290)	3,378	0	($6,849)
June 2019 - forecast	$232,742	$27,797	$3,623	$27,589	$0	$59,009

Year 2018-2019

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2017	$2,713					
March 2018 - actual	7,033	$2,554	$236	$1,530	$0	$4,320
April 2018 - actual	14,508	4,419	408	2,648	0	7,475
May 2018 - actual	21,181	3,945	364	2,364	0	6,673
June 2018 - actual	23,496	1,368	127	820	0	2,315
July 2018 - actual	26,569	755	189	2,129	0	3,073
August 2018 - forecast	26,272	(2,322)	(433)	2,458	0	(297)
September 2018 - forecast	26,780	(1,692)	(359)	2,559	0	508
October 2018 - forecast	29,148	(18)	(321)	2,707	0	2,368
November 2018 - forecast	31,234	(196)	(276)	2,558	0	2,086
December 2018 - forecast	31,534	(1,883)	(295)	2,478	0	300
January 2019 - forecast	30,170	(3,465)	(338)	2,439	0	(1,364)
February 2019 - forecast	29,779	(2,634)	(297)	2,540	0	(391)
March 2019 - forecast	30,112	(1,930)	(282)	2,545	0	333
April 2019 - forecast	31,824	(667)	(296)	2,675	0	1,712
May 2019 - forecast\	34,082	(15)	(316)	2,589	0	2,258
June 2019 - forecast	$35,055	($1,098)	($360)	$2,431	$0	$973

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
July 2018

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$150,779	$59,837	$44,451	$255,067
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	$119,613	$67,812	$25,881	$213,306
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	$31,166	($7,975)	$18,570	$41,761
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$31,166	($7,975)	$18,570	$41,761

Year 2018-2019 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2018	($451,744)	
March 2018 - actual	(544,531)	($92,787)
April 2018 - actual	(637,203)	(92,672)
May 2018 - actual	(710,836)	(73,633)
June 2018 - actual	(706,119)	4,717
July 2018 - actual	(664,358)	41,761
August 2018 - forecast	(619,023)	45,335
September 2018 - forecast	(567,982)	51,041
October 2018 - forecast	(510,558)	57,424
November 2018 - forecast	(449,868)	60,690
December 2018 - forecast	(386,557)	63,311
January 2019 - forecast	(337,840)	48,717
February 2019 - forecast	(282,926)	54,914
March 2019 - forecast	(213,512)	69,414
April 2019 - forecast	(131,353)	82,159
May 2019 - forecast\	(41,388)	89,965
June 2019 - forecast	$56,961	$98,349

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$2,696,182	-	$20,431,103	$2,073,369
Oil	-	-	-	20,346	-	-	422,764	276,939
Gas - CC	-	17,110,406	12,992,530	-	-	-	-	-
Gas - CT	23	-	1,016,062	-	-	6,605,680	-	-
Biogas	-	-	-	-	-	-	-	-
Total	23	$17,110,406	$14,008,592	20,346	$2,696,182	$6,605,680	$20,853,867	$2,350,308
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	312.51	-	330.73	318.74
Oil	-	-	-	1,983.04	-	-	1,588.14	1,590.69
Gas - CC	-	371.95	427.66	-	-	-	-	-
Gas - CT	-	-	378.53	-	-	333.11	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	371.95	423.67	1,983.04	312.51	333.11	336.13	351.89
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$2,223,812	-	$22,964,742	$6,101,153
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	32,028	-	16,241	-	45,582	1,291	425,264	174,683
Gas - CC	-	17,110,406	12,992,530	-	-	-	-	-
Gas - CT	23	-	1,016,062	-	-	6,605,680	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	4,112,247	-	-	-	-
Total	$32,051	$17,110,406	$14,024,833	$4,112,247	$2,269,394	$6,606,971	$23,390,006	6,275,836
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	316.92	-	323.45	319.36
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,583.19	-	2,061.04	-	1,584.36	1,574.39	1,548.10	1,524.02
Gas - CC	-	371.95	427.66	-	-	-	-	-
Gas - CT	-	-	378.53	-	-	333.11	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	69.31	-	-	-	-
Weighted Average	1,584.33	371.95	424.06	69.31	322.10	333.16	328.17	326.55
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.93	-	3.57	4.16
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	84.28	-	19.12	-	24.14	18.44	17.24	19.84
Gas - CC	-	2.75	3.05	-	-	-	-	-
Gas - CT	-	-	3.54	-	-	3.86	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.75	-	-	-	-
Weighted Average	84.34	2.75	3.09	0.75	5.01	3.86	3.62	4.25
Burned MBTU's								
Coal	-	-	-	-	701,685	-	7,099,874	1,910,404
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	2,023	-	788	-	2,877	82	27,470	11,462
Gas - CC	-	4,600,172	3,038,047	-	-	-	-	-
Gas - CT	-	-	268,421	-	-	1,983,052	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,932,707	-	-	-	-
Total	2,023	4,600,172	3,307,256	5,932,707	704,562	1,983,134	7,127,344	1,921,866
Net Generation (mWh)								
Coal	-	-	-	-	45,108	-	643,839	146,740
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	38	-	85	-	189	7	2,467	880
Gas - CC	-	622,429	425,506	-	-	-	-	-
Gas - CT	-	-	28,734	-	-	171,096	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	548,790	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	38	622,429	454,325	548,790	45,297	171,103	646,306	147,620
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$116,770	$9,028
Limestone	-	-	-	-	81,097	-	823,745	280,828
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	2,468	-	246,264	106,999
Urea	-	-	-	-	80,301	-	-	-
Total	-	-	-	-	$163,866	-	$1,186,779	$396,854

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME July 2018
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$25,200,654	$269,694,025
Oil	26,502	-	-	(5,157)	-	28,809	770,203	76,989,546
Gas - CC	-	-	-	-	22,286,665	-	52,389,601	680,698,249
Gas - CT	-	-	357,865	1,136,875	10,759,814	-	19,876,319	120,779,198
Biogas	-	-	-	-	80,121	-	80,121	224,880
Total	26,502	-	$357,865	$1,131,718	$33,046,479	28,809	$98,316,898	$1,148,385,898
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	327.67	320.32
Oil	2,729.35	-	-	-	-	1,405.32	1,602.02	1,690.97
Gas - CC	-	-	-	-	330.47	-	364.27	471.31
Gas - CT	-	-	335.22	349.92	332.98	-	336.06	370.83
Biogas	-	-	-	-	2,906.09	-	2,906.09	2,928.13
Weighted Average	2,729.35	-	335.22	348.33	332.00	1,405.32	350.65	432.13
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$31,289,707	$310,636,423
Oil - CC	-	-	-	-	325	-	325	48,086
Oil - Steam/CT	-	3,044	2,026	541,389	-	-	1,241,548	78,195,738
Gas - CC	-	-	-	-	22,286,665	-	52,389,601	680,698,249
Gas - CT	-	-	357,865	1,136,875	10,759,814	-	19,876,319	120,779,198
Biogas	-	-	-	-	80,121	-	80,121	224,880
Nuclear	8,568,237	-	-	-	-	4,859,864	17,540,348	197,596,368
Total	$8,568,237	$3,044	$359,891	$1,678,264	33,126,925.00	$4,859,864	$122,417,969	$1,388,178,942
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	322.18	317.54
Oil - CC	-	-	-	-	1,625.00	-	1,625.00	1,819.38
Oil - Steam/CT	-	1,672.66	1,746.55	1,718.91	-	-	1,623.02	1,661.81
Gas - CC	-	-	-	-	330.47	-	364.27	471.31
Gas - CT	-	-	335.22	349.92	332.98	-	336.06	370.83
Biogas	-	-	-	-	2,906.09	-	2,906.09	2,928.13
Nuclear	60.84	-	-	-	-	64.95	63.79	64.70
Weighted Average	60.84	1,672.66	336.75	470.90	332.00	64.95	212.58	237.31
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.74	3.44
Oil - CC	-	-	-	-	16.25	-	16.25	19.91
Oil - Steam/CT	-	-	22.10	23.24	-	-	20.75	20.60
Gas - CC	-	-	-	-	2.88	-	2.88	3.39
Gas - CT	-	-	4.05	4.46	2.73	-	3.16	3.98
Biogas	-	-	-	-	26.83	-	26.83	22.85
Nuclear	0.65	-	-	-	-	0.67	0.68	0.68
Weighted Average	0.65	-	4.07	6.03	2.84	0.67	2.06	2.23
Burned MBTU's								
Coal	-	-	-	-	-	-	9,711,963	97,825,665
Oil - CC	-	-	-	-	20	-	20	2,643
Oil - Steam/CT	-	182	116	31,496	-	-	76,496	4,705,442
Gas - CC	-	-	-	-	6,743,942	-	14,382,161	144,425,551
Gas - CT	-	-	106,755	324,899	3,231,326	-	5,914,453	32,569,706
Biogas	-	-	-	-	2,757	-	2,757	7,680
Nuclear	14,083,343	-	-	-	-	7,482,839	27,498,889	305,423,745
Total	14,083,343	182	106,871	356,395	9,978,045	7,482,839	57,586,739	584,960,432
Net Generation (mWh)								
Coal	-	-	-	-	-	-	835,687	9,033,537
Oil - CC	-	-	-	-	2	-	2	242
Oil - Steam/CT	-	(22)	9	2,330	-	-	5,983	379,608
Gas - CC	-	-	-	-	773,286	-	1,821,221	20,059,233
Gas - CT	-	-	8,833	25,517	394,671	-	628,851	3,030,848
Biogas	-	-	-	-	299	-	299	984
Nuclear	1,316,720	-	-	-	-	724,583	2,590,093	28,999,426
Hydro (Total System)							34,031	629,972
Solar (Total System)							22,776	246,227
Total	1,316,720	(22.00)	8,842	27,847	1,168,257	724,583	5,938,942	62,380,077
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$19,088	-	$144,886	$1,773,544
Limestone	-	-	-	-	-	-	1,185,669	10,103,113
Re-emission Chemical	-	-	-	-	-	-	-	162,494
Sorbents	-	-	-	-	-	-	355,731	2,978,571
Urea	-	-	-	-	-	-	80,301	1,006,818
Total	-	-	-	-	$19,088	-	$1,766,587	$16,024,538

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
July 2018

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	106,694
Tons received during period	-	-	-	-	34,741
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	28,255
Ending balance	-	-	-	-	113,180
MBTUs per ton burned	-	-	-	-	24.83
Cost of ending inventory ($/ton)	-	-	-	-	78.71
Oil Data:					
Beginning balance	611,908	-	2,638,405	78,040	2,549,533
Gallons received during period	-	-	-	7,432	-
Miscellaneous use and adjustments	-	-	-	-	(2,867)
Gallons burned during period	14,451	-	5,791	7,432	21,524
Ending balance	597,457	-	2,632,614	78,040	2,525,142
Cost of ending inventory ($/gal)	2.22	-	2.80	2.47	2.18
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,464,869	3,234,852	-	1,932,799
MCF burned during period	-	4,464,869	3,234,852	-	1,932,799
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	13,936
Tons received during period	-	-	-	-	1,472
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	1,569
Ending balance	-	-	-	-	13,839
Cost of ending inventory ($/ton)	-	-	-	-	49.86

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	791,155	290,370	-	-	-
Tons received during period	246,705	25,554	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	279,161	76,288	-	-	-
Ending balance	758,699	239,636	-	-	-
MBTUs per ton burned	25.43	25.04	-	-	-
Cost of ending inventory ($/ton)	82.25	79.98	-	-	-
Oil Data:					
Beginning balance	224,324	231,978	167,658	693,996	11,645,593
Gallons received during period	192,898	126,160	7,038	-	-
Miscellaneous use and adjustments	(7,416)	(1,801)	-	-	-
Gallons burned during period	198,105	82,938	4,688	1,299	845
Ending balance	211,701	273,399	170,008	692,697	11,644,748
Cost of ending inventory ($/gal)	2.15	2.11	2.47	2.34	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	103,266
MCF burned during period	-	-	-	-	103,266
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	89,067	20,376	-	-	-
Tons received during period	23,987	4,988	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	19,590	6,194	-	-	-
Ending balance	93,464	19,170	-	-	-
Cost of ending inventory ($/ton)	39.18	44.65	-	-	-

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME July 2018
Coal Data:					
Beginning balance	-	-	-	1,188,219	1,625,906
Tons received during period	-	-	-	307,000	3,321,790
Inventory adjustments	-	-	-	-	24,990
Tons burned during period	-	-	-	383,704	3,861,171
Ending balance	-	-	-	1,111,515	1,111,515
MBTUs per ton burned	-	-	-	25.31	25.34
Cost of ending inventory ($/ton)	-	-	-	81.40	81.40
Oil Data:					
Beginning balance	10,204,250	8,281,601	272,394	37,599,680	38,759,667
Gallons received during period	-	-	14,857	348,385	32,992,555
Miscellaneous use and adjustments	-	-	-	(12,084)	(178,114)
Gallons burned during period	226,995	140	-	564,208	34,202,335
Ending balance	9,977,255	8,281,461	287,251	37,371,773	37,371,773
Cost of ending inventory ($/gal)	2.39	2.33	2.47	2.39	2.39
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	317,808	9,759,060	-	19,812,654	171,794,978
MCF burned during period	317,808	9,759,060	-	19,812,654	171,794,978
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	2,697	-	2,697	7,500
MCF burned during period	-	2,697	-	2,697	7,500
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	123,379	112,767
Tons received during period	-	-	-	30,447	247,111
Inventory adjustments	-	-	-	-	14,692
Tons consumed during period	-	-	-	27,353	248,097
Ending balance	-	-	-	126,473	126,473
Cost of ending inventory ($/ton)	-	-	-	41.18	41.18

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JULY 2018

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	34,741	$ 2,614,641	$ 75.26
	ADJUSTMENTS	-	81,542	-
	TOTAL	34,741	2,696,182	77.61
MAYO	SPOT	-	-	-
	CONTRACT	25,554	1,985,371	77.69
	ADJUSTMENTS	-	87,999	-
	TOTAL	25,554	2,073,369	81.14
ROXBORO	SPOT	25,688	2,216,738	86.29
	CONTRACT	221,017	17,685,065	80.02
	ADJUSTMENTS	-	529,300	-
	TOTAL	246,705	20,431,103	82.82
ALL PLANTS	SPOT	25,688	2,216,738	86.29
	CONTRACT	281,312	22,285,076	79.22
	ADJUSTMENTS	-	698,840	-
	TOTAL	307,000	$ 25,200,654	$ 82.09

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JULY 2018

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.59	10.22	12,417	2.55
MAYO	6.29	8.35	12,728	3.40
ROXBORO	6.76	9.54	12,520	1.90

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JULY 2018

	BRUNSWICK	MAYO	HARRIS	ROBINSON	ROXBORO
VENDOR	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0	0
GALLONS RECEIVED	7,038	126,160	14,857	7,432	192,898
TOTAL DELIVERED COST	$ 26,502	$ 276,939	$ 28,809	$ 20,346	$ 422,764
DELIVERED COST/GALLON	$ 3.77	$ 2.20	$ 1.94	$ 2.74	$ 2.19
BTU/GALLON	138,000	138,000	138,000	138,000	138,000

Notes:

Reimbursements for 2018 Q1 shipments of $(5,157) for the Darlington station have been excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2017 - July, 2018
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,301,436	938	88.86	88.91
Brunswick 2	7,778,325	932	95.27	95.59
Harris 1	7,315,167	930	89.76	87.14
Robinson 2	6,604,498	741	101.75	97.72

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2017 through July, 2018
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,440,494	224	73.36	80.58
Lee Energy Complex	1B	1,445,410	225	73.37	80.72
Lee Energy Complex	1C	1,464,772	226	74.02	80.73
Lee Energy Complex	ST1	2,843,392	379	85.64	92.81
Lee Energy Complex	Block Total	7,194,068	1,054	77.92	85.03
Richmond County CC	7	1,239,907	189	74.89	82.32
Richmond County CC	8	1,228,953	189	74.23	81.78
Richmond County CC	ST4	1,389,709	175	90.65	90.36
Richmond County CC	9	1,406,414	215	74.62	79.40
Richmond County CC	10	1,429,320	215	75.83	80.69
Richmond County CC	ST5	1,879,186	248	86.50	90.17
Richmond County CC	Block Total	8,573,489	1,231	79.48	84.17
Sutton Energy Complex	1A	1,312,025	224	66.74	74.07
Sutton Energy Complex	1B	1,351,493	224	68.75	75.62
Sutton Energy Complex	ST1	1,629,384	269	69.06	83.80
Sutton Energy Complex	Block Total	4,292,902	718	68.24	78.19

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2017 through July, 2018

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,605,685	746	24.57	87.51
Roxboro 2	1,857,185	673	31.50	78.79
Roxboro 3	2,178,024	698	35.62	80.01
Roxboro 4	1,578,119	711	25.34	53.52

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2017 through July, 2018
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	653,076	192	38.83	87.21
Asheville 2	473,232	192	28.14	82.73
Roxboro 1	753,657	380	22.64	82.99

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
August, 2017 through July, 2018
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	425,676	370	94.13
Blewett CT	188	68	93.88
Darlington CT	154,923	873	70.61
Richmond County CT	2,250,354	927	81.79
Sutton Fast Start CT	207,123	95	89.90
Wayne County CT	305,158	961	96.58
Weatherspoon CT	1,592	164	90.72

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
August, 2017 through July, 2018
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	93,838	27.0	90.77
Marshall	2,611	4.0	19.38
Tillery	133,115	84.0	95.32
Walters	400,408	113.0	99.72

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.